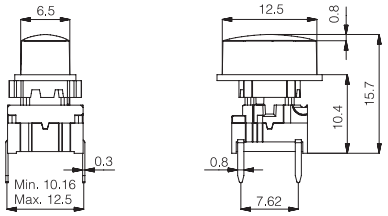
multimec® 3F + 1WA/1WD/1WP

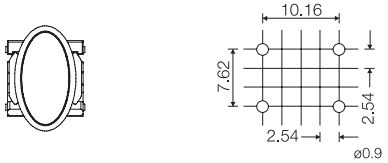
Technical Data

- through-hole or SMD
- 50mA/24VDC
- single pole/momentary
- 10.000.000 operations life time
- IP67 sealing
- temperature range:
  low temp: -40/+115°C
  high temp: -40/+160°C

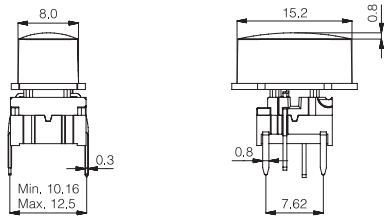
Dimensions (through-hole) 1WA



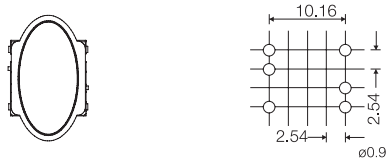
PCB layout



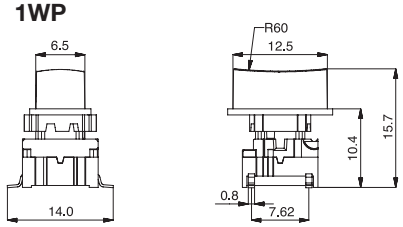
Dimensions (w/LED) 1WD



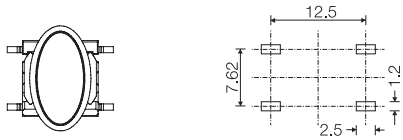
PCB layout (top view)



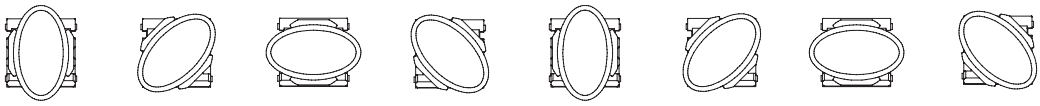
Dimensions (SMD) 1WP



PCB layout



8 different position options



How to order

3F						
Switch	**Mounting** **T** through-hole **S** surface mount	**L 6** low temp. **H 9** high temp.	+	**Cap** **1WA** **1WD** **1WP**	**00** blue **03** grey **08** red **09** black **30** ultra blue **40** pigeon blue **42** aqua blue **53** metal light grey **57** metal dark grey

3F						
Switch	**Mounting** **T** through-hole	**L 6** low temp. **H 9** high temp.	**LED** **23** green **45** yellow **88** red	+	**Cap** **1WA** **1WD** **1WP**	**16** frosted white

Keycaps shown on this page can also be used on
illumec™ switch 4F - see page 13

Ordering example: 3FTL6 + 1WA09 or 3FTL680 + 1WP16

For updates of products and/or changes of specifications please see **www.mec.dk**

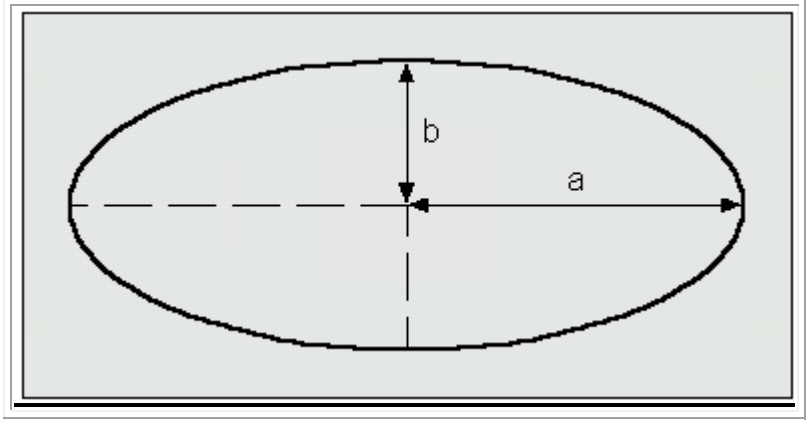
1WA/1WD/1WP are in the shape of an ellipse. The mathematical formulas can be seen below.

Ellipse

Area:

$A = \pi \cdot a \cdot b$

Perimeter:

$$P = 4 \cdot a \cdot \int_0^{\frac{\pi}{2}} \sqrt{1 - k^2 \cdot \sin^2\theta}\, d\theta, \; k = \frac{\sqrt{a^2 - b^2}}{a}$$

$$\approx 2 \cdot \pi \cdot \sqrt{\frac{1}{2} \cdot \left(a^2 + b^2\right)}$$